

The International Space Station is the largest and most complex scientific cooperative project in history. Led by the United States, it draws upon the scientific and technological resources of 16 nations. When completed, the International Space Station will have a mass of about 1 million pounds. It will measure about 360 feet across and 290 feet in length and will have an internal volume roughly equal to the passenger volume of a 747 jumbo jet. Six laboratories will provide more space for research than any

More than 40 space flights during 5 years and at least three launch vehicles — the Space Shuttle, the Russian Soyuz rocket, and the Russian Proton rocket — will deliver the International Space Station components to orbit.

Assembly of the more than 100 components will require a combination of human

spacewalks and robotic devices.

other spacecraft ever built.

As the new century began, the first stages of construction had been completed and a 7-story, 76-foot-long, 35-ton Space Station orbited the Earth. The first component of the Station was the Control Module *Zarya*, Russian for "Sunrise," which was built in Russia under contract to the U.S. This unpiloted "space tugboat" was launched by the Russian Proton rocket in November 1998. The following month, a Shuttle crew attached the second Station component, *Unity*, to *Zarya*.

Primary oversight for all flight control, training, planning, and construction of the International Space Station is at the Johnson Space Center. Monitoring Station operations is a continuous job for Station flight controllers in the Flight Control Room in the Mission Control Center. They coordinate with JSC flight controllers in Russia and with the flight control centers of our international partners.

Room for the
International
Space Station is
now operating
24 hours a
day, 7 days a
week. Twelve
managers
oversee the dayto-day activities
of the International
Space Station mission.

**During assembly operations,** 

The Mission Evaluation

three managers are on console around the clock and a team of 300 engineers are on call.